

Date: 03/31/2019

Purpose: Assignment of Intellectual Property

To: ZroBlack, LLC

Execution Date: 03/31/2019

I, Jonathan Lee Villarreal assign the following Intellectual Property (Exhibit A) to ZroBlack, LLC,. The fair market asset value is \$41.5M USD. ZroBlack, LLC is given all rights to modify, sell, and collect from the intellectual property in Exhibit A.

Exhibit A

Solution ID	Solution	Description	Patent Status	Core Logic	Janus Adapter Needed (USB)
iOS/tvOS/WatchOS/AirPods - Device ID					
Solutions Available For: WindowsOS, MacOS, OSX, Linux Distro's, RaspbianOS Disclaimer: Solutions may need to be modified if Apple decides to change just about anything.					
These solutions DO NOT: install any apps, install certificates install mdm profiles, jailbreak, or modify the device in any way					
These solutions are NOT: stolen, illegal, malware, spyware, ransomware, used with OEM proprietary tools					
iOS - Device ID					
LW_M_A_ID001	iOS Device Access Drivers	This will install the correct device drivers needed to fully access the iOS device. This will also install the security permissions that are needed to read and write data to the device There are many modes that the device can be in. Identifying the mode will then allow for the software logic to know how to proceed.	Not Started	Yes	No
LW_M_A_ID002	iOS Device State	For example: If the device is in recovery mode we can still get a lot of information from the device Pairing the device is critical, and understanding the pairing state defines how the secondary software logic should perform	Not Started	Yes	No
LW_M_A_ID003	iOS Pairing Status	For Example: Passcode Locked Devices, Device in lost mode, User Rejected Pairing...	Not Started	Yes	No
LW_M_A_ID004	iOS Activation State	The activation state is part of the core logic that is very complex. The software routing depends on this solution As part of the core logic, this solution helps in identifying those critical and sensitive parts of the device:	Not Started	Yes	No
Examples: iCloud - Email address Presence of an iCloud Account Activation Lock MDM Profiles - MDM company name, address, email, phone number, and more Provisioned Profiles Find My iPhone					
LW_M_A_ID005	iOS Lock Status	all of these device identifiers can be gathered without the need of an active internet connection	Not Started	Yes	No
LW_M_A_ID006	iOS Setup State	This may seem straight forward, and simple, but if you do not understand if the device has been setup, or at what process or step the setup is in, you will not be able to send the software logic to the correct path. This is something everyone misses. This started to be a pain recently, and April 2018 I was able to identify the issue that was causing the No service triangle with exclamation, and disappearing IMEI.	Not Started	Yes	No
Recently, I have been able to repair the no service error with a programmatic solution. So far I have been successful in identifying all No Service error devices, and repaired iPhone 7, 7 Plus, 8, and X models. This became part of the core logic because of the solution to fix it. There are conditions that may prevent the solution from working everytime, and more conditions must be identified per model, and iOS version.					
LW_M_A_ID007	iOS No Service Error		Not Started	Yes	No

PLAINTIFF'S
EXHIBIT

Solution ID	Solution	Host Platforms Available	Description	Patent Status
General				
Notice: You must have these solutions implemented				
LW_M_HOL_D001	USB Port Identification	WindowsOS MacOS OSX Linix Distro's RaspbianOS	<p>Scans the host for available USB Ports. If a USB port on the host is damaged, and not responsive, this takes out the guess work for the end user, and helps stop unnecessary tech support phone calls.</p> <p>Do not underestimate this solution, it is complex, and must be understood before anything can be identified, diagnosed, data cleared, flashed, and more. Think of this as step 1</p>	Not Started
LW_M_HOL_D002	USB Hub Identification	WindowsOS MacOS OSX Linix Distro's RaspbianOS	<p>This solution is categorized as HOL (Higher-order Logic) & λProlog (Lambda Prolog)</p> <p>Scans the host for connected USB Hubs. USB hubs present lots of issues if they are not properly identified. Data corruption, and restore errors are just 2 things that not identifying the USB hub, or not correctly identifying the USB hub can cause.</p> <p>Do not underestimate this solution, it is complex, and must be understood before anything can be identified, diagnosed, data cleared, flashed, and more. Think of this as step 2</p>	Not Started
LW_M_HOL_D003	USB 2.0 Identification	WindowsOS MacOS OSX Linix Distro's RaspbianOS	<p>This solution is categorized as HOL (Higher-order Logic) & λProlog (Lambda Prolog)</p> <p>Scans the host for USB 2.0 Ports</p> <p>NOTE: Some devices require a 2.0 connection in order to perform the solution, if the proper connection is not used, the solution will not work</p> <p>Do not underestimate this solution, it is complex, and must be understood before anything can be identified, diagnosed, data cleared, flashed, and more. Think of this as step 3</p>	Not Started
LW_M_HOL_D004	USB 3.0 Identification	WindowsOS MacOS OSX Linix Distro's RaspbianOS	<p>This solution is categorized as HOL (Higher-order Logic) & λProlog (Lambda Prolog)</p> <p>Scans the host for USB 3.0 Ports</p> <p>NOTE: Some devices require a 3.0 connection in order to perform the solution, if the proper connection is not used, the solution will not work</p> <p>Do not underestimate this solution, it is complex, and must be understood before anything can be identified, diagnosed, data cleared, flashed, and more. Think of this as step 4</p>	Not Started
LW_M_HOL_D005	USB Port Location	WindowsOS MacOS OSX Linix Distro's RaspbianOS	<p>This solution identifies the exact USB port the device is running on. This is important if you want to use any of the software solutions offered on a mass scale.</p> <p>This solution is categorized as HOL (Higher-order Logic) & λProlog (Lambda Prolog)</p> <p>Do not underestimate this solution, it is complex, and must be understood before anything can be identified, diagnosed, data cleared, flashed, and more. Think of this as step 5</p>	Not Started
LW_M_HOL_D006	Host Unique Device Identification	WindowsOS MacOS OSX Linix Distro's RaspbianOS	<p>This solution uniquely identifies every android device that is plugged in. This is the part that everyone gets wrong, and this is why you never see true mass solutions. Basically, this will allow you to run hundreds, and ultimately thousands of devices at one time.</p> <p>Do not underestimate this solution, it is complex, and must be understood before anything can be identified, diagnosed, data cleared, flashed, and more. Think of this as step 6</p> <p>This solution is categorized as HOL (Higher-order Logic) & λProlog (Lambda Prolog)</p>	Not Started

Solution ID	Solution	Description	Patent Status	Core Logic	Janus Cable Needed (USB)
iOS/tvOS/WatchOS/AirPods - Data Clearing					
Solutions Available For: WindowsOS, MacOS, OSX, Linux Distro's, RaspbianOS					
Disclaimer: Solutions may need to be modified if Apple decides to change just about anything.					
These solutions DO NOT: install any apps, install certificates install mdm profiles, jailbreak, or modify the device in any way					
These solutions are NOT: stolen, illegal, malware, spyware, ransomware, used with OEM proprietary tools					
iOS - Data Clearing/Restore/Validation					
LW_M_A_DC001	iOS Data Clearing	<p>Fast Data Clearing is available for all iOS Devices 9.0+</p> <p>The data clearing trigger works in less than 5 seconds, and the device will be sent back to its "birth certificate" state</p> <p>This solution works for 1 or 200 devices at a time. It can be a mix of iPads, iPods, iPhones</p> <p>Restoring a corrupted device's software can be done easily and quickly. This will work for all iOS versions, and all iOS devices</p>	Not Started	No	No
LW_M_A_DC002	iOS Device Restore	<p>This solution works for 1 or 200 devices at a time. It can be a mix of iPads, iPods, iPhones</p> <p>This solution will install the latest iOS on the device and bring it back to a setup state</p>	Not Started	No	No
LW_M_A_DC003	iOS Data Clearing Validation	<p>This solution will validate that data has been cleared in less than 1s</p>			
tvOS - Data Clearing/Restore/Validation					
LW_M_A_DC004	tvOS Data Clearing & Restore	<p>Restoring a corrupted device's software can be done easily and quickly.</p> <p>This solution works for 1 or 200 devices at a time. It can be a mix of gen 1,2,3</p> <p>This solution will install the latest iOS on the device and bring it back to a setup state</p>	Not Started	No	No
LW_M_A_DC005	tvOS Data Clearing Validation	<p>Other models such as Apple 4K will be available in the future.</p> <p>This solution will validate that data has been cleared in less than 1s</p>			
watchOS - Data Clearing & Restore					
LW_M_A_D006	watchOS Data Clearing & Restore	<p>Restoring a corrupted device's software can be done easily and quickly.</p> <p>It can be a mix of gen 1,2,3 watches data cleared and restored at one time.</p> <p>This solution will install the latest watchOS version on the device and bring it back to a setup state</p>	Not Started	No	Yes
LW_M_A_D007	watchOS Data Clearing Validation	<p>Note: If Apple changes their signing server, this solution will need to be revisited. This is something they change every quarter, and is important to note. If there is no signing server to verify the watchOS software, then the solution will not work.</p> <p>This solution will validate that data has been cleared in less than 1s</p>	Not Started	No	Yes
AirPods - Diagnostics					
LW_M_A_D008	AirPods Data Clearing	<p>Data clearing of the device, such as assigned device name, and ear bud custom settings can be data cleared back to its "birth certificate" state in less than 5s</p>	Not Started	No	No
LW_M_A_D009	AirPods Data Clearing Validation	<p>This solution will validate that data has been cleared in less than 1s</p>			

Solution ID	Solution	OEM	Carrier	Titan Cable Needed	Titan Adapter Needed	Phone Cable	Description	Patent Status
These solutions DO NOT					These solutions ARE NOT			
<ul style="list-style-type: none"> - Root the device - Install 3rd party software - Install any software at all 					<ul style="list-style-type: none"> - Illegal - Malware - Spyware - Ransomware - Stolen - Used with OEM Proprietary Tools 			
Notice					Disclaimer: Android Operating System Version & Carrier may affect the solution. These solutions have been tested with AOS 2.0.9.0			
Samsung ADB								
LW_M_AOS_E001	ADB Auto Enable	Samsung	Verizon	N/A	N/A	N/A	RSA prompt visible on device	Application Submitted
LW_M_AOS_E002	ADB Auto RSA Authorization	Samsung	Verizon	N/A	N/A	N/A	No auto selection of "Always Trust & OK" or auto selection available	Application Submitted
LW_M_AOS_E003	ADB Silent	Samsung	Verizon	N/A	N/A	N/A	Quick device flashing, the device will present as ADB Authorized.	Not Started
LW_M_AOS_E004	ADB Auto Enable	Samsung	Sprint	N/A	N/A	N/A	RSA prompt visible on device	Not Started
LW_M_AOS_E005	ADB Auto RSA Authorization	Samsung	Sprint	N/A	N/A	N/A	No auto selection of "Always Trust & OK" or auto selection available	Not Started
LW_M_AOS_E006	ADB Silent	Samsung	Sprint	N/A	N/A	N/A	Quick device flashing, the device will present as ADB Authorized.	Not Started
LW_M_AOS_E007	ADB Auto Enable	Samsung	T-Mobile	N/A	N/A	N/A	This does NOT root the device, this does NOT install 3rd party software. This is NOT a malicious solution	Not Started
LW_M_AOS_E008	ADB Auto RSA Authorization	Samsung	T-Mobile	N/A	N/A	N/A	RSA prompt visible on device	Not Started
LW_M_AOS_E009	ADB Silent	Samsung	T-Mobile	N/A	N/A	N/A	No auto selection of "Always Trust & OK" or auto selection available	Not Started
LW_M_AOS_E010	ADB Auto Enable	Samsung	AT&T	N/A	N/A	N/A	Quick device flashing, the device will present as ADB Authorized.	Not Started
LW_M_AOS_E011	ADB Auto RSA Authorization	Samsung	AT&T	N/A	N/A	N/A	This does NOT root the device, this does NOT install 3rd party software. This is NOT a malicious solution	Not Started
LW_M_AOS_E012	ADB Silent	Samsung	AT&T	N/A	N/A	N/A	RSA prompt visible on device	Not Started
LW_M_AOS_E013	ADB Auto Enable	Samsung	US Cellular	N/A	N/A	N/A	No auto selection of "Always Trust & OK" or auto selection available	Not Started
LW_M_AOS_E014	ADB Auto RSA Authorization	Samsung	US Cellular	N/A	N/A	N/A	Quick device flashing, the device will present as ADB Authorized.	Not Started
LW_M_AOS_E015	ADB Silent	Samsung	US Cellular	N/A	N/A	N/A	This does NOT root the device, this does NOT install 3rd party software. This is NOT a malicious solution	Not Started
LW_M_AOS_E016	ADB Auto Enable	Samsung	Claro	N/A	N/A	N/A	RSA prompt visible on device	Not Started
LW_M_AOS_E017	ADB Auto RSA Authorization	Samsung	Claro	N/A	N/A	N/A	No auto selection of "Always Trust & OK" or auto selection available	Not Started
LW_M_AOS_E018	ADB Silent	Samsung	Claro	N/A	N/A	N/A	Quick device flashing, the device will present as ADB Authorized.	Not Started
LW_M_AOS_E019	ADB Auto Enable	Samsung	Boost Mobile	N/A	N/A	N/A	This does NOT root the device, this does NOT install 3rd party software. This is NOT a malicious solution	Not Started
LW_M_AOS_E020	ADB Auto RSA Authorization	Samsung	Boost Mobile	N/A	N/A	N/A	RSA prompt visible on device	Not Started
LW_M_AOS_E021	ADB Silent	Samsung	Boost Mobile	N/A	N/A	N/A	No auto selection of "Always Trust & OK" or auto selection available	Not Started
LW_M_AOS_E022	ADB Auto Enable	Samsung	Metro PCS	N/A	N/A	N/A	Quick device flashing, the device will present as ADB Authorized.	Not Started
LW_M_AOS_E023	ADB Auto RSA Authorization	Samsung	Metro PCS	N/A	N/A	N/A	This does NOT root the device, this does NOT install 3rd party software. This is NOT a malicious solution	Not Started
LW_M_AOS_E024	ADB Silent	Samsung	Metro PCS	N/A	N/A	N/A	RSA prompt visible on device	Not Started
LW_M_AOS_E025	ADB Auto Enable	Samsung	Virgin Mobile	N/A	N/A	N/A	No auto selection of "Always Trust & OK" or auto selection available	Not Started
LW_M_AOS_E026	ADB Auto RSA Authorization	Samsung	Virgin Mobile	N/A	N/A	N/A	Quick device flashing, the device will present as ADB Authorized.	Not Started
LW_M_AOS_E027	ADB Silent	Samsung	Virgin Mobile	N/A	N/A	N/A	This does NOT root the device, this does NOT install 3rd party software. This is NOT a malicious solution	Not Started
LG ADB								
LW_M_AOS_E028	ADB Auto Enable	Samsung	Verizon	No	No	N/A	No RSA Prompt or RSA Prompt Available	Not Started
LW_M_AOS_E029	ADB Auto RSA Authorization	Samsung	Verizon	No	No	N/A	No auto selection of "Always Trust & OK" or auto selection available	Not Started
LW_M_AOS_E030	ADB Stealth - Wired	Samsung	Verizon	Yes	No	N/A	No RSA prompt - Stealth Authorization	Not Started
LW_M_AOS_E031	ADB Stealth - Adapter	Samsung	Verizon	Yes		N/A	Prepare the device for Authorization ADB Access without a cable. This is an adapter that plugs into the micro USB port. After plugging in for 2 seconds, it can be unplugged. Software will recognize the device has been prepared, and start Stealth ADB.	Not Started
LW_M_AOS_E032	ADB Auto Enable	Samsung	Sprint	No	No	N/A	No RSA Prompt or RSA Prompt Available	Not Started
LW_M_AOS_E033	ADB Auto RSA Authorization	Samsung	Sprint	No	No	N/A	No auto selection of "Always Trust & OK" or auto selection available	Not Started

Printed Name: _____ Jonathan Lee Villarreal _____
 Signature _____